

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for image transmission, said method comprising the acts of:

hosting an image file on a server, wherein said image file comprises ~~integral data units--(IDUs)~~ data bytes organized to enable image characteristic scalability;

transmitting to a client a first set of said ~~IDUs~~data bytes using HTTP, wherein said first set of said ~~IDUs~~ data bytes form a representation of said image;

receiving an HTTP request at said server wherein said HTTP request comprises a selection of a customization of said image file based on said representation of said image;

parsing said image file on said server to determine an additional set of said ~~IDUs~~ data bytes that may be combined with said ~~initial~~ first set of said ~~IDUs~~ data bytes to form said customization; and

transmitting said additional set of said ~~IDUs~~ data bytes to said client using HTTP;

wherein said additional set of said ~~IDUs~~ data bytes does not comprise said ~~first~~ initial set of said ~~IDUs~~ data bytes.
2. (previously presented) The method of claim 1 wherein said representation of said image is a low-resolution version of said image.

3. (canceled)
4. (previously presented) The method of claim 1 wherein said customization selection comprises a selection from the group consisting of quality customization, scalability customization, resolution customization and region-of-interest (ROI) customization.
5. (canceled)
6. (original) The method of claim 1 wherein said image file is a JPEG 2000 file.
7. (canceled)
8. (previously presented) The method of claim 1 wherein said customization selection comprises an image resolution below the maximum resolution available for said image.
9. (currently amended) The method of claim 1 wherein said transmitting said additional set of IDUs data bytes comprises streaming said additional set of IDUs data bytes of said image file to said client.
10. (currently amended) The method of claim 1 wherein the size of said first set of

IDUs data bytes is relative to the bandwidth of the connection between said server and said client.

11. (currently amended) The method of claim 1 wherein said first set of ~~IDUs~~ data bytes comprises metadata comprising data selected from the group consisting of image quality data, scalability data, resolution data and ROI data.
12. (original) The method of claim 1 wherein said client caches data received from said server.
13. (currently amended) A method for interactive customized image transmission, said method comprising the acts of:

hosting an image file on a server, wherein said image file comprises ~~integral data units (IDUs)~~ data bytes organized to enable image characteristic scalability;

parsing said image file to obtain a first set of said ~~IDUs~~ data bytes, wherein said first set of said ~~IDUs~~ data bytes form a representation of said image;

transmitting said first set of said ~~IDUs~~ data bytes to a client using HTTP;

receiving an HTTP request at said server wherein said request comprises a customization selection of said image file, based on said first set of said ~~IDUs~~ data bytes;

parsing said image file at said server to determine an additional set of said ~~HU~~s data bytes that may be combined with said ~~initial~~ first set of said ~~HU~~s data bytes to generate said customization; and
transmitting said additional set of said ~~HU~~s data bytes to said client using HTTP for combination with said initial set of said ~~HU~~s data bytes without retransmitting said initial set of said ~~HU~~s data bytes.

14. (canceled)
15. (previously presented) The method of claim 13 wherein said customization selection comprises an image resolution below the maximum resolution available for said image.
16. (previously presented) The method of claim 13 wherein said customization selection comprises quality scalability.
17. (previously presented) The method of claim 13 wherein said customization selection comprises a selected region of interest on said image.
18. (original) The method of claim 13 wherein said image file is a JPEG 2000 image file.
19. (canceled)

20. (canceled)

21. (currently amended) An image server enabling interactive customized image transmission, said server comprising:

storage for storing at least one image file, wherein said at least one image file comprises ~~integral data units (IDUs)~~ data bytes organized to enable image characteristic scalability;

a sender for sending, using HTTP, an integral, representative part of said at least one image file, said integral, representative part of said at least one image file comprising an initial set of said ~~IDUs~~ data bytes;

a receiver for receiving HTTP requests from a client for a customized version of said at least one image file;

a parser for parsing said image file and determining an additional set of said ~~IDUs~~ data bytes required to combine with said initial set of said ~~IDUs~~ data bytes to render said customized versions of said at least one image file; and

a sender for sending, using HTTP, said additional set of said ~~IDUs~~ data bytes to said client without retransmission of said initial set of said ~~IDUs~~ data bytes.

22. (canceled)

23. (canceled)

24. (currently amended) A method for interactive customized image transmission, said method comprising the acts of:
- hosting an image file on a server, wherein said image file is divided into tile parts
- and said image file comprises ~~integral data units (IDUs)~~ data bytes organized to enable image characteristic scalability;
- transmitting using HTTP an initial set of said ~~IDUs~~ data bytes to a recipient, wherein said initial set of said ~~IDUs~~ data bytes form a representation of said image file;
- receiving an HTTP request for a customized version of said image stored in said image file;
- parsing at least one of a main image file header and a tile-part header to obtain an additional set of said ~~IDUs~~ data bytes that may be combined with said initial set of said ~~IDUs~~ data bytes to form said customized version of said image;
- transmitting using HTTP said additional set of said ~~IDUs~~ data bytes to said recipient for combination with said initial set of said ~~IDUs~~ data bytes without retransmitting said initial set of said ~~IDUs~~ data bytes.
25. (previously presented) The method of claim 24 wherein said receiving a request comprises receiving at least one of an HTTP Post and an HTTP Get request.